



Figure 1: Elstein IRS/K series

Elstein IRS/K rod radiators are ceramic infrared radiators, which are available in different lengths of up to 300 mm and surface ratings of up to 75 kW/m<sup>2</sup>

Unlike the IRS series radiators, which have the leads running through the mounting sockets on each side, the leads of IRS/K series lie only on one side (see figure 1).

Thus IRS/K radiators make the heating of the interior of hollow bodies like tubes or bottles possible.

Linear heating tasks that need one-sided leads can be solved, too.

If required IRS/K rod radiators are available with double sided leads.

Elstein IRS/K rod radiators cover the power range from 125 W to 750 W.

## IRS/K

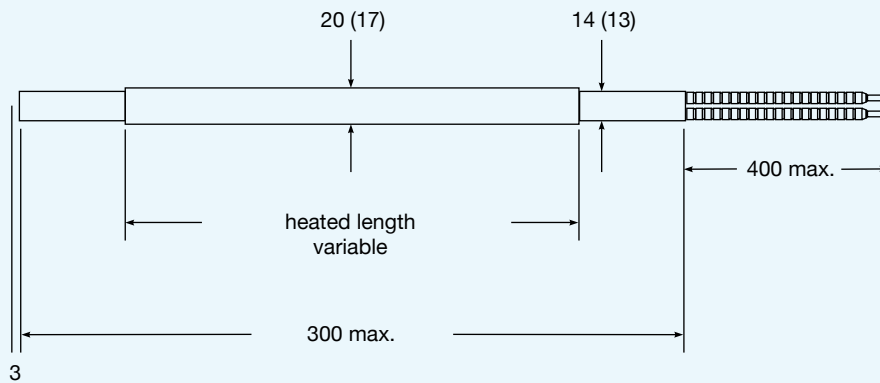
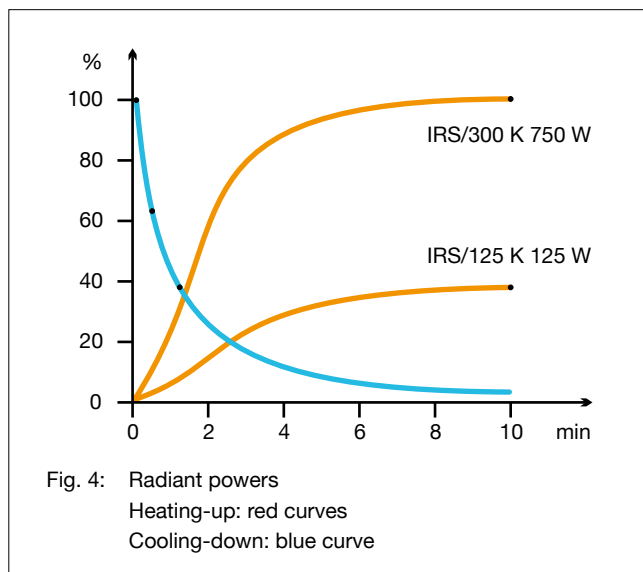
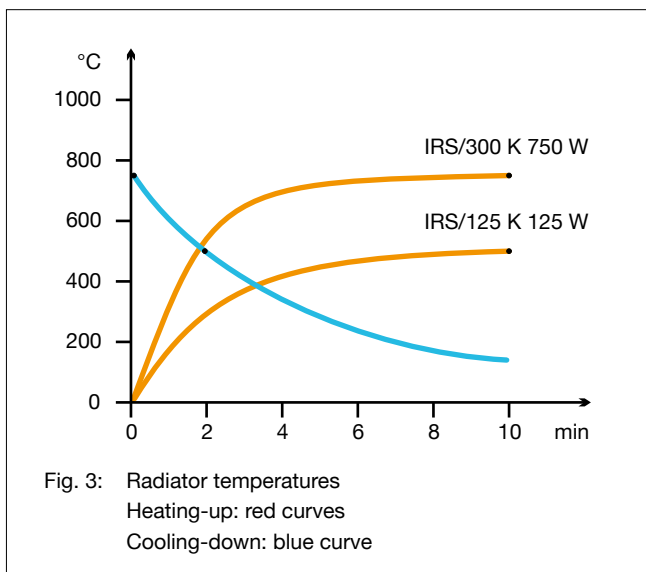


Figure 2: Mounting dimensions and radiator dimensions ( ) in mm



|                                 |                         |        |    |      |                   |
|---------------------------------|-------------------------|--------|----|------|-------------------|
| Type, weight, wattage           | IRS/300 K, 300 mm 100 g | 300    | to | 750  | W                 |
|                                 | to                      |        |    |      |                   |
|                                 | IRS/125 K, 125 mm 40 g  | 125    | to | 300  | W                 |
| Surface rating                  |                         | 30.0   | to | 75.0 | kW/m <sup>2</sup> |
| Typical operating temperature   |                         | 400    | to | 700  | °C                |
| Maximum permissible temperature |                         | 750    |    | 750  | °C                |
| Wavelength range                |                         | 2 - 10 |    |      | µm                |

| Standard design   | Thermocouple radiators   | Variants   |
|---|--|--|
| Operating voltage 230 V<br>White glaze<br>Single sided leads<br>Leads up to 400 mm<br>Rod heated completely or partly | Designation T-IRS/**K<br>Integrated thermocouple<br>Type K (NiCr-Ni)<br>TC leads up to 400 mm<br><br>*** Length specification<br>(e. g. T-IRS/125 K 300 W 230 V) | Special lengths<br>Special wattages<br>Special voltages<br>Extended leads<br>Double sided leads<br>Leads with ring terminals |

The power can be controlled using thermocouple radiators together with TRD 1 temperature controllers, TSE thyristor switching units and other accessories.

The national safety regulations must be complied with for the respective application, for example, the IEC or EN standard 60519-1, Safety in electrical heating installations.

Our instructions for mounting, operation and safety must be observed.